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SEP 19 2006**Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the above-referenced application. In accordance with 37 C.F.R. 1.121, as revised June 30, 2003, claims are labeled as "Original", "Currently amended", "Canceled", "Withdrawn", "Previously presented", "New", or "Not entered".

**Listing of Claims**

1. (Currently Amended) A method of preparing a vector, the method comprising steps of:

providing at least two collections of nucleic acid molecules that are vector fragments, wherein each of ~~said the~~ collections comprises at least two ~~isolated nucleic acids~~ alternative vector fragments to be included in the vector, and wherein ~~each of said isolated nucleic acids~~ comprises a ~~portion of vector sequence~~;

~~selecting an individual nucleic acid molecule, or portion of a nucleic acid molecule, from each of said collections; and~~

i. vector fragments within the first collection each comprise at least a first portion of a first vector element and a first portion of a second vector element, which first portion of the second vector element cannot alone provide a second vector element function; and

ii. vector fragments within the second collection each comprise a second portion of the second vector element, which second portion of the second vector element also cannot alone provide the second vector element function,

the first and second portions of the second vector element being selected, and the vector fragments being designed such that, when a vector fragment from the first collection is ligated with a vector fragment from the second collection, the second vector element function is reconstituted; and

~~admixing the selected nucleic acid molecules or portions~~ at least one vector fragment  
from each collection with one another under linkage conditions so that a hybrid molecule in  
which each of the ~~selected nucleic acid molecules or portions~~ fragments is linked together is  
produced.

2. (Currently Amended) The method of claim 1 wherein:

~~the selected nucleic acid molecules or portions~~ vector fragments in the first collection  
each contain at least one a first overhang, that is complementary with an overhang on at least one  
~~of the other selected nucleic acid molecules or portions~~ and wherein the vector fragments in the  
second collection each contain at least a second overhang, the first overhang being  
complementary to the second overhang.

3. (Currently Amended) The method of claim 1 wherein:

~~the selected nucleic acid molecules~~ vector fragments comprise RNA or can be transcribed  
into RNA, and wherein each such RNA molecule contains at least one splicing recognition site  
such that each such RNA molecule is able to trans-splice with a compatible splicing recognition  
site on at least one other such RNA molecule, and

the step of admixing comprises admixing under trans-splicing conditions.

4. (Original) The method of any one of claims 1-3, further comprising a step of:  
introducing the hybrid molecule into a cell.

5. (Currently Amended) The method of claim 1 wherein each ~~nucleic acid molecule~~  
alternative vector fragment in each of ~~said the~~ collections contains at least a portion of a vector

element selected from the group consisting of replication elements, vector detection elements, expression elements, gene fusion elements, protein fusion elements, polylinker elements, and combinations thereof.

6-11. Canceled.

12. (Currently Amended) The method of claim 1 ~~comprising a further step of;~~  
~~providing wherein the step of admixing further comprises~~ admixing at least one isolated nucleic acid molecule containing insert sequence ~~prior to the step of admixing.~~

13. (Currently Amended) The method of claim 3 wherein:  
~~the selected nucleic acid molecules~~ vector fragments further contain catalytic intron sequences that direct the trans-splicing event.

14. (Previously Presented) The method of claim 1 wherein:  
the step of admixing comprises admixing under ligation conditions.

15. (New) The method of claim 1, wherein at least one of the vector fragments contains a vector element or portion of a vector element, which element comprises a selectable genetic unit.

16. (New) The method of claim 1, wherein at least one of the vector fragments contains a vector element or portion of a vector element, which element comprises a detectable genetic unit.

17. (New) The method of claim 1, wherein a single vector fragment from each of the collections is selected prior to the step of admixing; and wherein the step of admixing comprises admixing the selected vector fragments with one another under linkage conditions so that a hybrid molecule in which each of the selected vector fragments is linked together is produced.

18. (New) The method of claim 17 wherein the step of admixing further comprises admixing at least one isolated nucleic acid molecule containing insert sequence.

19. (New) The method of claim 1, wherein the first portion of the first vector element provides a first vector element function.

20. (New) The method of claim 1, wherein the first portion of the first vector element cannot alone provide a first vector element function.

21. (New) The method of claim 1, wherein the first portion of the first vector element comprises the entire first vector element.